



INITIAL PAPER COPY - SEQUENCE LISTING

USSN 10/552,909

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(iii) NUMBER OF SEQUENCES: 9

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1

AACggatccaaaacgctgcctccgcga 27

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(iv) ANTI-SENSE: YES

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2

TAGACGCTGCAGGAGGCGCCTGGCT 25

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 269 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3

ggatccaaaacgctgcctccgcgacaggcgaggacggagggcgtcccaggatcgtggg 60
ccctggcctgacgcctcggagcacactccctgtccgagcgggcccgtgtggtaagct 120
cgggagcgcgggagccggggaaaggccgcggcagccgtcggggatcccgagcc 180
ccgcggccccgggctggcggtgtcggctcaatccggcgggacggccggcggctggg 240
ctcttggggcagccaggcgcctcattcag 269

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 84 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4

AGAAAGACGAagctaaggcagggtcggcctgttagtacttgatggagaccgcctggga 60
ataccgggtgctgttaggcttttg 84

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 88 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: DNA
(iv) ANTI-SENSE: YES
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
TCGACAAAAAGCCTACAGCACCCGGTATTCCAGGCCTCTCCATCCAAGTACTAACCA 60
GGCCCGACCCTGCTTAGCTCGTCTTCT 88

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 367 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6

ggatccaaaacgctgcctccgcacaggcgaggacggagggcgtcccaggatcggtggg 60
ccctgggcctgacgcctcgagcacactccctgctccgagcgggcccgtgtggtaagct 120
cgggagcgcgggagccggggaaaggccgcggcagccgtcgggggtccccgtccgagcc 180
ccgcggcccccggctggcggtgtcggctgcaatccggcgggacggccggccggctggg 240
ctcttggggcagccaggcgcccttcagGAATTGATAAGACGAagctaagcagggt 300
cgggcctggtagtacttggatggagaccgcctggaaataccgggtgctgtaggcttt 360
tgtcgac 367

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 51 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7

GCNNNNNNNNNNNNNNNNNNNNNTTCGGnnnnnnnnnnnnnnnnnTTTTT 51

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 59 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(iv) ANTI-SENSE: YES

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8

AGCTAAAANNNNNNNNNNNNNNNNCCGAAAnnnnnnnnnnnnnnnnnnGCTGCA 59

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 399 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9

ggatccaaaacgctgcctccgcacaggcgaggacggagggcgtcccaggatcggtggg 60
ccctgggcctgacgcctcgagcacactccctgctccgagcgggcccgtgtggtaagct 120
cgggagcgcgggagccggggaaaggccgcggcagccgtcgggggtccccgtccgagcc 180
ccgcggcccccggctggcggtgtcggctgcaatccggcgggacggccggccggctggg 240

ctttgggcagccaggcgccctcattcaGCNNNNNNNNNNNNNNNNNTTCGGnnnnn 300
nnnnnnnnnnnnnTTTTtagctaaggcagggtcgggcctggtagtacttggatggaga 360
ccgcctggaaataccgggtgctgtaggctttgtcgac 399